

FIG. 1

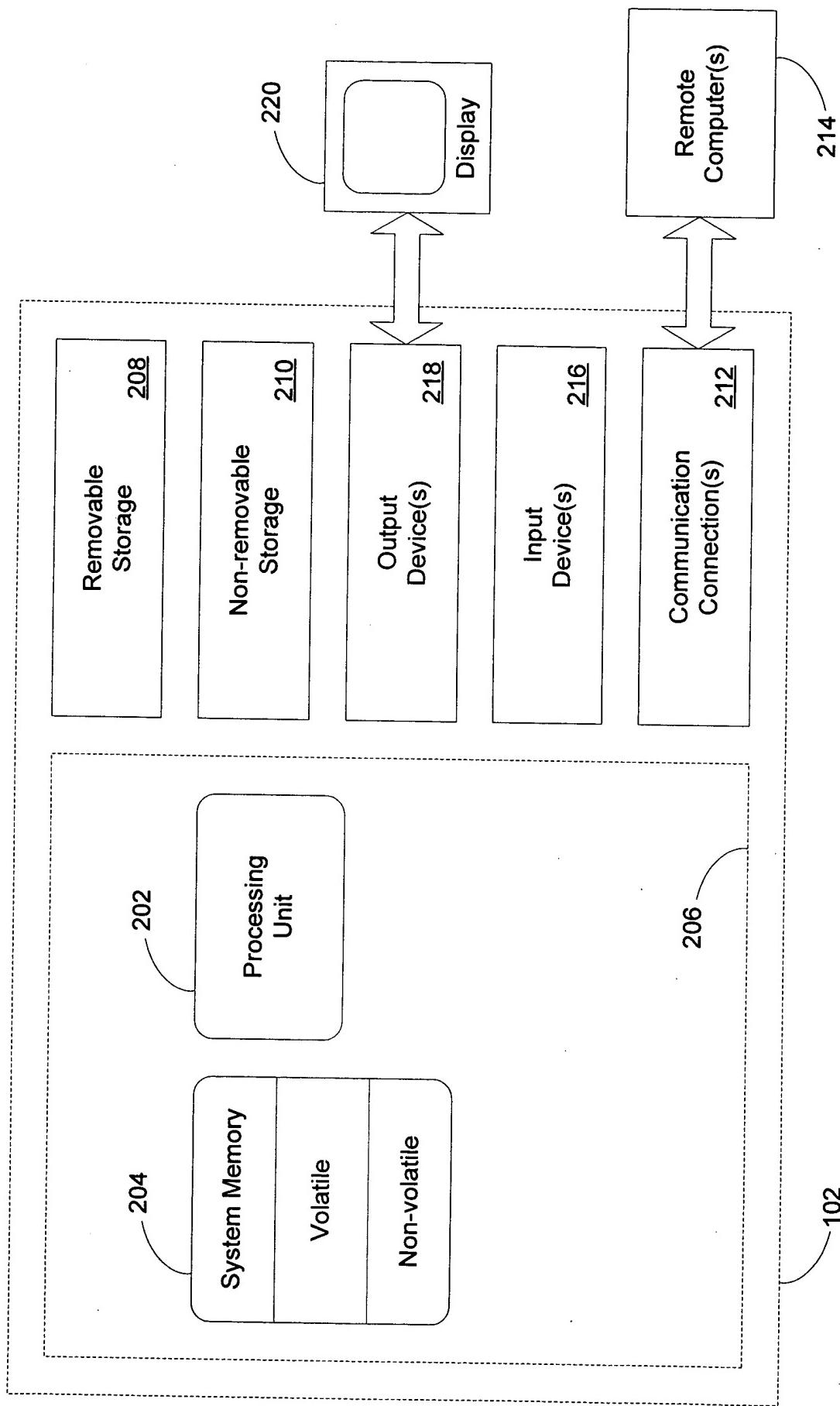
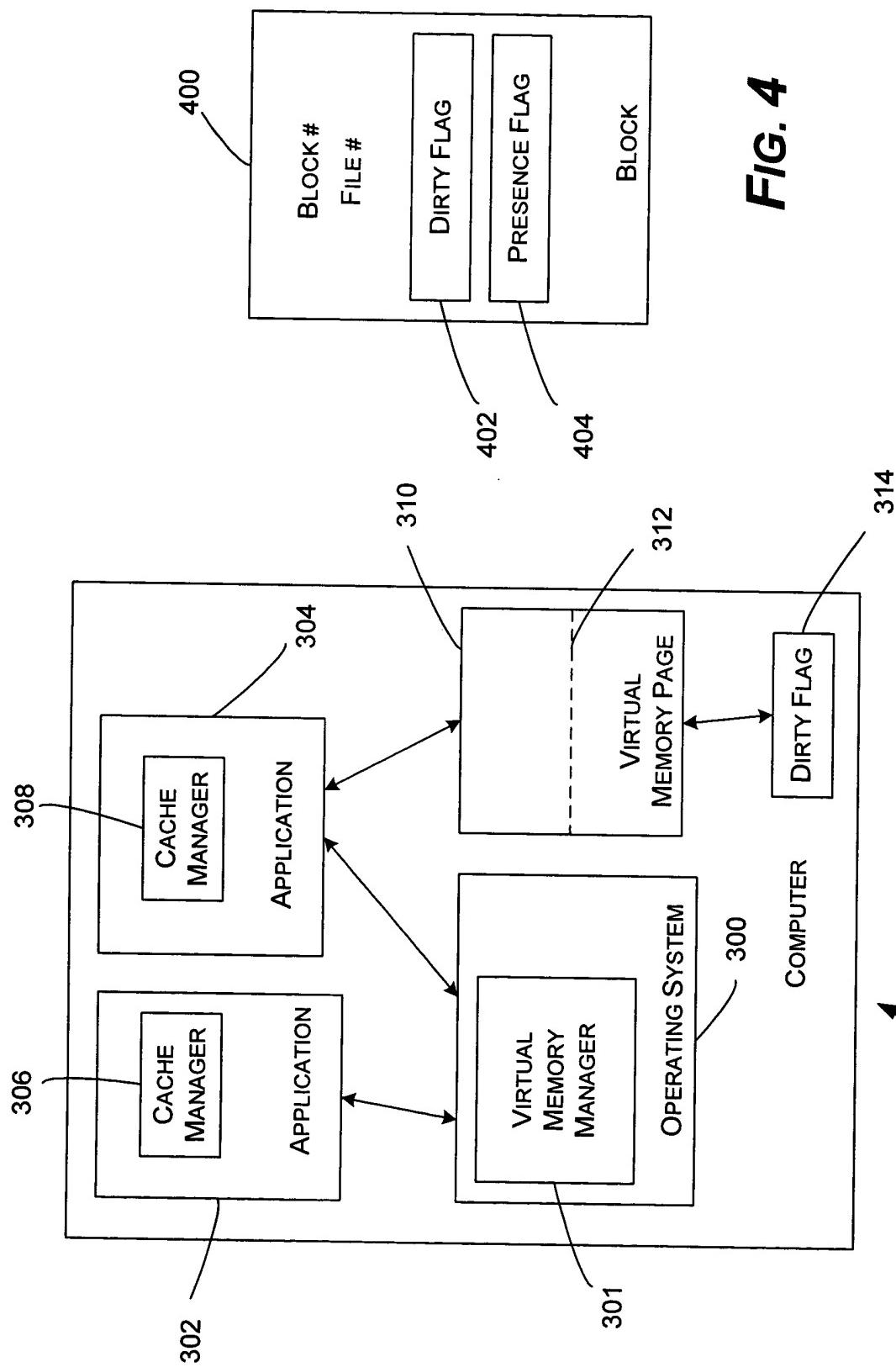
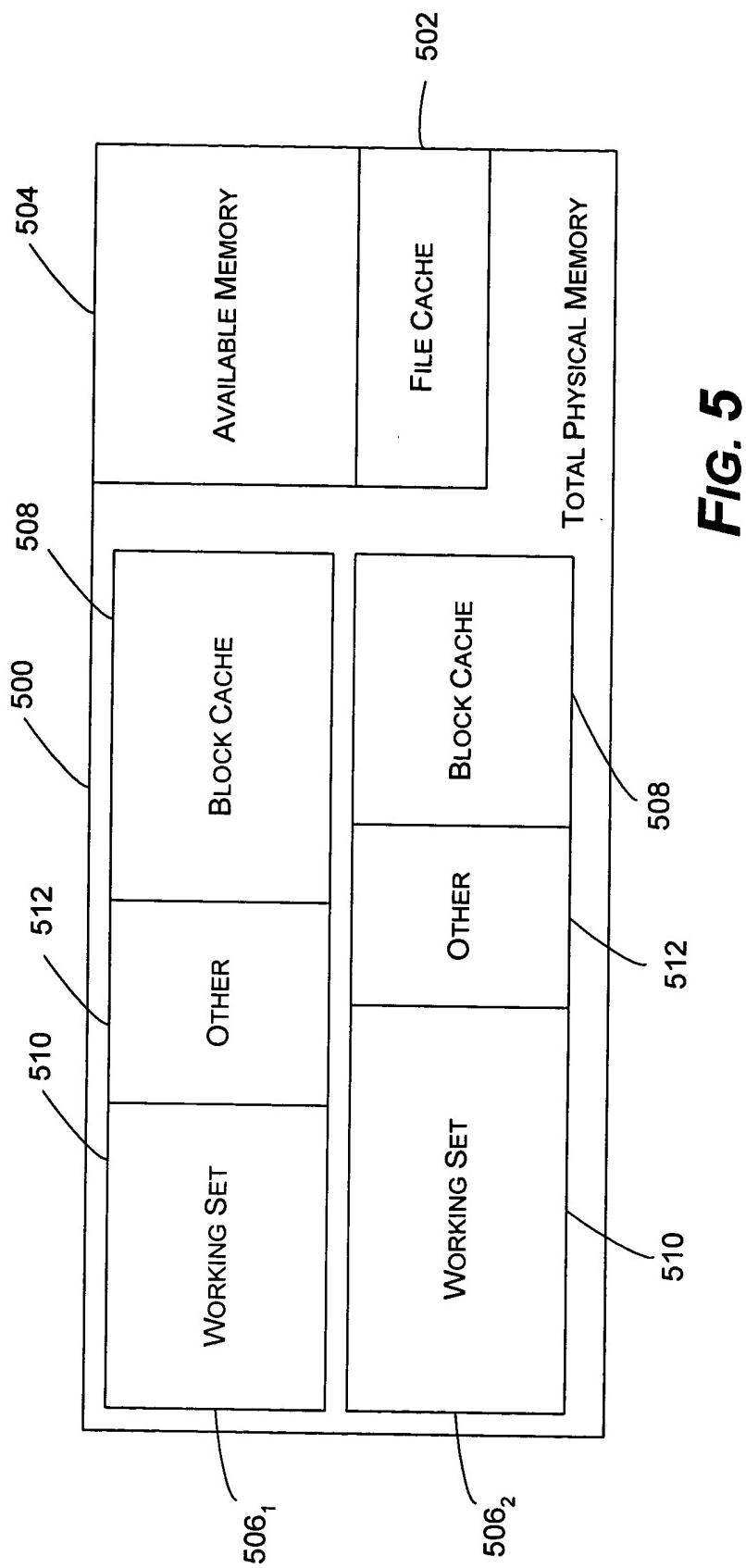
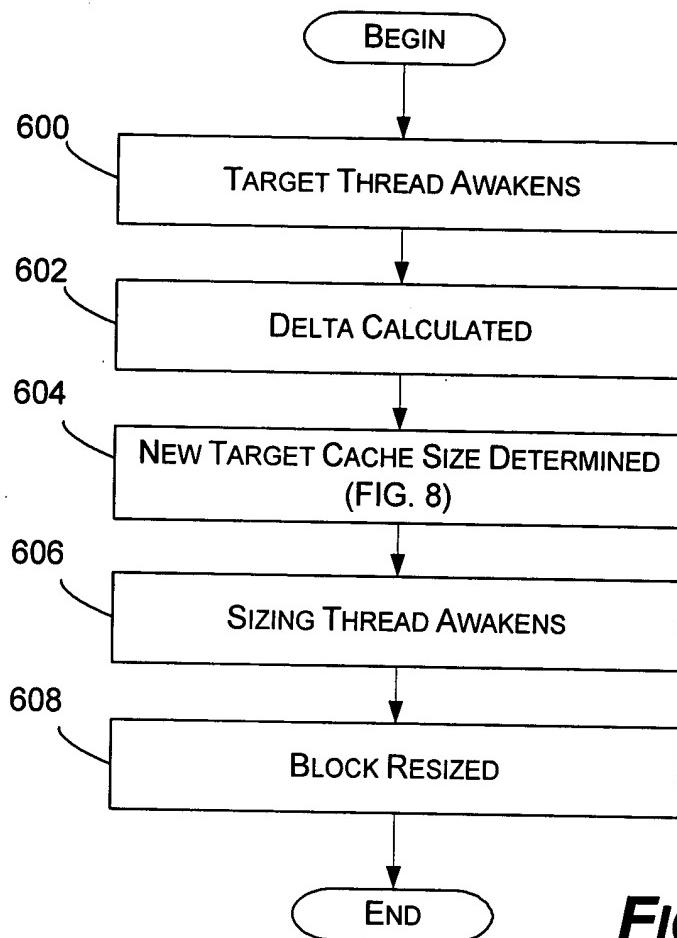
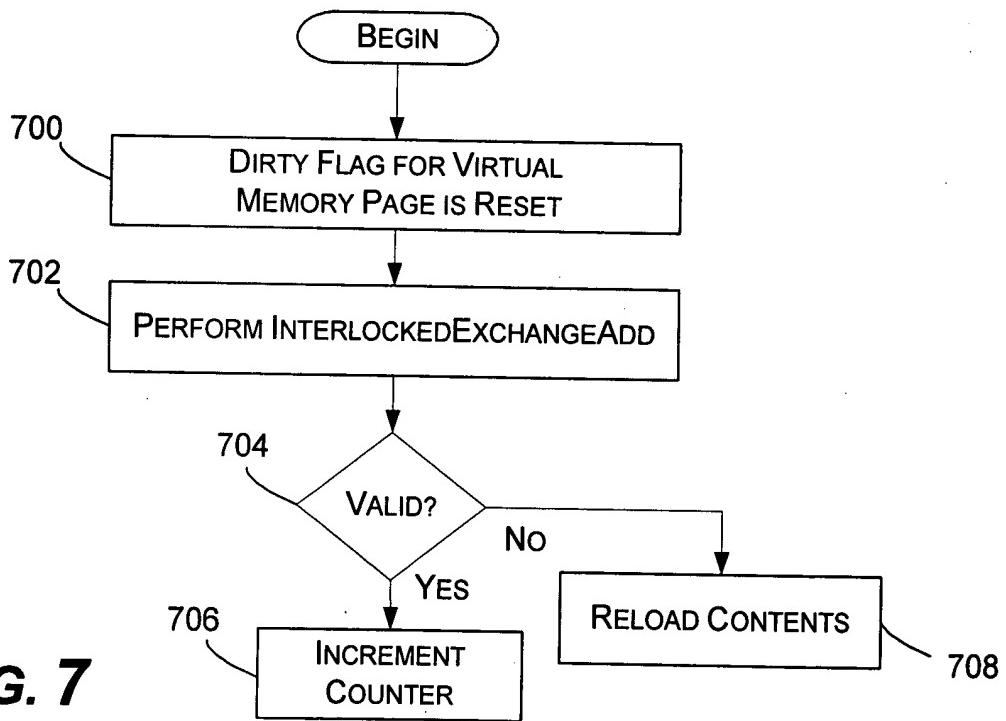


FIG. 2



**FIG. 5**

**FIG. 6****FIG. 7**

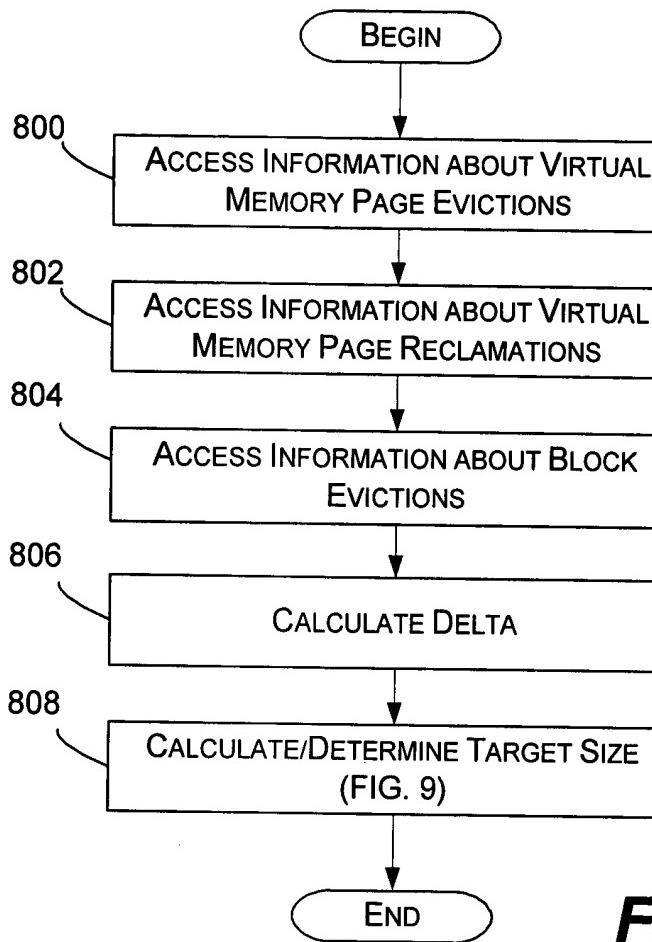


FIG. 8

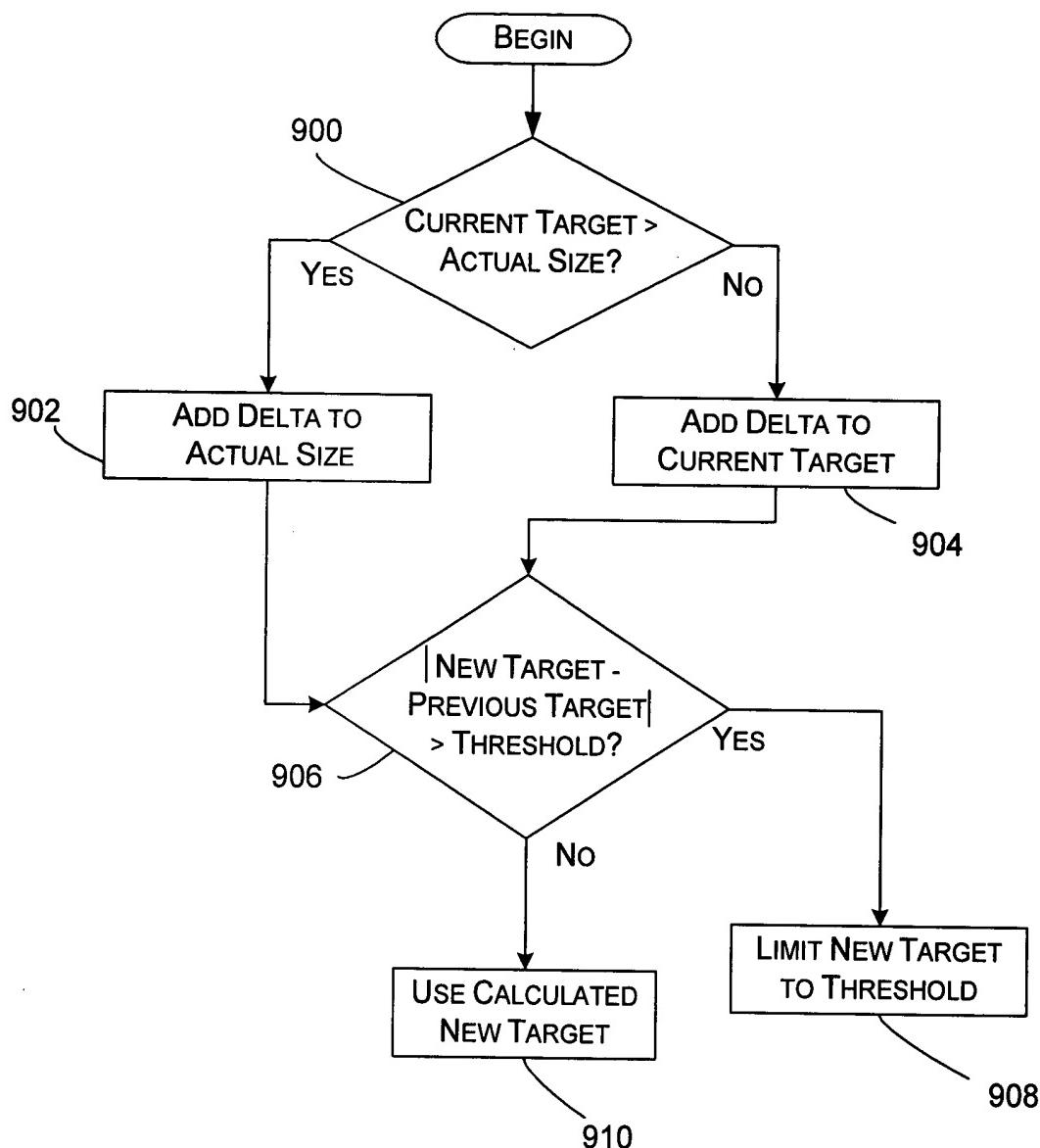


FIG. 9

$$dCM/dt = AM/TM * dBE/dt - CM/TM * dAE/dt$$

Where

CM = Cache Memory

AM = Available Physical Memory

TM = Total Physical Memory

BE = Block Evictions

AE = Approximated Virtual Memory Page
Evictions

t = time

FIG. 10

PRIOR ART